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TITLE: ZINC-MAGNESIUM-ALUMINUM HOT DIP GALVANIZED STEEL
EXCELLENT IN CORROSION RESISTANCE AND ITS
PRODUCTION

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ABSTRACT:

PURPOSE: To produce a hot dip galvanized steel excellent in corrosion resistance, to prevent oxidation of the components in a bath and to improve the workability of the galvanization.

CONSTITUTION: A Zn-Mg-Al hot dip galvanized steel in which a hot-dip galvanized layer contg., by weight, 0.2 to 3% Mg, 0.06 to 0.25% Al and 0.001 to 0.01% of one or ≥ two kinds selected from among Ca, Be and Li and having a structure constituted of Zn-η phase and Mg<SB>2</SB>Zn<SB>11</SB> on the surface is prepd., and the cooling rate till solidification after the plating is regulated to ≤10°C/sec.

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